Photosynthesis Quiz

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Block\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_ **1.** Light energy is stored as ATP

**a.** Stage 1 of photosynthesis

**b.** Stage 2 of photosynthesis

**c.** Stage 3 of photosynthesis

and NADPH.

\_\_\_\_\_\_ **2.** Organic compounds are formed

using carbon dioxide.

\_\_\_\_\_\_ **3.** Calvin cycle

\_\_\_\_\_\_ **4.** Excited electrons are passed along

an electron transport chain.

\_\_\_\_\_\_ **5.** Pigment molecules absorb energy.

**In the space provided, write the letter of the term or phrase that best completes**

**each statement or best answers each question.**

\_\_\_\_\_\_ **6.** Yellow and orange plant pigments are known as which of the following?

**a.** chlorophyll **c.** carotenoids

**b.** electron transport chains **d.** thylakoids

\_\_\_\_\_\_ **7.** The rate of photosynthesis decreases as the

**a.** oxygen concentration decreases.

**b.** carbon dioxide concentration decreases.

**c.** light intensity increases.

**d.** All of the above

\_\_\_\_\_\_ **8.** In the second stage of photosynthesis, hydrogen ions are pumped

**a.** down their concentration gradient.

**b.** out of the thylakoids.

**c.** into the thylakoids.

**d.** Both (a) and (b)

\_\_\_\_\_\_ **9.** Products of the Calvin cycle are

**a.** three-carbon sugars.

**b.** used to produce organic compounds.

**c.** used to regenerate the initial five-carbon compound.

**d.** All of the above

10. List one DIFFERENCE and one SIMILARITY between Photosynthesis and Cellular Respiration

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